



WILLIAM T. PECORA AWARD

DR. ARCHIBALD B. PARK

In recognition of his outstanding contributions as a scientist and a manager in the field of remote sensing.

Dr. Archibald B. Park is one of the pioneers of satellite remote sensing. Prior to the launch of Landsat 1 (ERTS 1) he worked closely with NASA, the Department of the Interior, and other agencies to develop the concepts and parameters of the mission. The presence of the multispectral scanner on Landsat can be directly attributed to his foresight. This technology would have been delayed until a later mission if Dr. Park had not been able to demonstrate that this data acquisition system was needed and that the data could be processed to provide important resource and environmental information.

Dr. Park's vision and leadership in the developing programs to use multispectral scanners and analyze the data digitally has formed the basis for most of the successful applications from the Landsat program. His ability to identify emerging technology, prepare for its use, and implement analysis methods to solve important problems is outstanding. The remote sensing programs of the world would not have progressed to their present state of capability without his contributions.

Dr. Park has used his exceptional talents to build conceptual and quantitative models that include the biosphere, hydrosphere, and lithosphere. He has been able to include remote sensing as a data source in these models to obtain missing information or to obtain needed information more efficiently. Examples are the screw-worm control program, methods for monitoring and controlling of insect infestations and epidemics, and the development of operational methods for yield prediction of crops.

The achievements that Dr. Park has made while employed by the Department of Agriculture, NASA and private industry have advanced the field significantly and have been of critical importance in bringing remote sensing to its present state of usefulness. For his many exceptional accomplishments and continuing contributions to the field of remote sensing, Dr. Archibald B. Park is granted the 1984 William T. Pecora Award.

William Clark
Secretary of the Interior

James M. Beggs
Administrator, National Aeronautics
and Space Administration